

ABSTRACT OF THE DISCLOSURE

A method for the selective catalyst reduction of nitrous oxide (N_2O) in the presence of a solid catalyst, with the addition of a saturated hydrocarbon as reducing agent. The catalyst used is a promoted, iron-containing zeolite. As
5 a result, it is possible to increase the conversion of (N_2O) compared to unpromoted iron-containing zeolite catalysts. The promoted catalyst is active at temperatures below $350^\circ C$.

Furthermore, it has been found that the iron-containing zeolite catalysts which are promoted with precious metal also give low emissions of CO and residual hydrocarbons. The
10 catalyst is also very active under high process pressures and in the presence of sulphur.

10070317.030502